

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/51029

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G04B37/00 G04G1/00 G04B47/00 G04C3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G04B H04R H04B G04G H04M G04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 899 634 A (ASULAB SA) 3 March 1999 (1999-03-03) cited in the application	1,2
A	figure 1 abstract paragraphs '0009!', '0025!	3-6
A	EP 1 130 944 A (ASULAB SA) 5 September 2001 (2001-09-05) the whole document	1-6
A	EP 1 126 623 A (ASULAB SA) 22 August 2001 (2001-08-22) cited in the application the whole document	1-6
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

2 April 2004

Date of mailing of the international search report

20/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Burns, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/51029

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 056 260 A (NOKIA MOBILE PHONES LTD) 29 November 2000 (2000-11-29) paragraphs '0007!', '0022! figures 1,3 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/51029

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0899634	A	03-03-1999	EP 0899634 A1 DE 69723253 D1	03-03-1999 07-08-2003
EP 1130944	A	05-09-2001	EP 1130944 A1 DE 60007504 D1	05-09-2001 05-02-2004
EP 1126623	A	22-08-2001	EP 1126623 A1	22-08-2001
EP 1056260	A	29-11-2000	GB 2350523 A EP 1056260 A2 US 2003081506 A1 US 6535461 B1	29-11-2000 29-11-2000 01-05-2003 18-03-2003